

1 Attorney Docket No. 82601 84842

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3 NON-CHROMATE METAL SURFACE ETCHING SOLUTIONS

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5 ABSTRACT OF THE DISCLOSURE

6 Non-chromate solutions for treating and/or etching metals,  
7 particularly, aluminum, aluminum alloys, steel and titanium, and  
8 method of applying same wherein the solutions include either a  
9 titanate or titanium dioxide as a "drop-in replacement" for a  
10 chromium-containing compound in a metal surface etching solution  
11 that otherwise would contain chromium.